

GRADING AND DRAINAGE NOTES

14. ALL DISTURBANCE INCURRED TO TOWN, COUNTY, STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER, TO THE SATISFACTION OF THE TOWN OF MANSFIELD AUTHORITY AND STATE OF CONNECTICUT.
15. ALL CONSTRUCTION SHALL COMPLY WITH THE PROJECT SPECIFICATIONS MANUAL, STORRS CENTER ALLIANCE LLC, AND THE LOCAL MUNICIPALITY'S STANDARDS AND COUNTY STANDARDS (IF APPLICABLE) AND STATE DOT SPECIFICATIONS AS APPLICABLE FOR THE LOCATION OF THE WORK. ALL CONSTRUCTION WITHIN A DOT RIGHT OF WAY SHALL COMPLY WITH ALL DEPARTMENT OF TRANSPORTATION STANDARDS. WHERE SPECIFICATIONS OR STANDARDS ARE IN CONFLICT, THE MORE STRINGENT SPECIFICATION OR STANDARD SHALL BE SUPERIOR.
16. IF IMPACTED OR CONTAMINATED SOIL IS ENCOUNTERED BY THE CONTRACTOR, THE CONTRACTOR SHALL SUSPEND EXCAVATION WORK OF IMPACTED SOIL AND NOTIFY THE OWNER AND/OR OWNER'S ENVIRONMENTAL CONSULTANT PRIOR TO PROCEEDING WITH FURTHER WORK IN THE IMPACTED SOIL LOCATION UNTIL FURTHER INSTRUCTED BY THE OWNER AND/OR OWNER'S ENVIRONMENTAL CONSULTANT.
- PRODUCT NOTES:
1. SHOP DRAWINGS: THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF MATERIALS AND STRUCTURES FOR REVIEW AND APPROVAL PRIOR TO DELIVERY TO THE SITE. ALLOW 14 WORKING DAYS FOR REVIEW.
2. POLY VINYL CHLORIDE PIPE (PVC) FOR STORM AND SANITARY PIPING SHALL HAVE BUILT-IN RUBBER GASKET JOINTS. PVC SHALL CONFORM TO ASTM D-3034 (SDR35) WITH COMPRESSION JOINTS AND MOLDED FITTINGS. PVC SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS; ASTM-D2321 AND MANUFACTURERS RECOMMENDED PROCEDURE.
3. ALL RCP SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-76; ALL RCP SHALL BE CLASS IV UNLESS OTHERWISE SHOWN. JOINTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-443.
4. MANHOLE SECTIONS AND CONSTRUCTION SHALL CONFORM TO ASTM C-478.

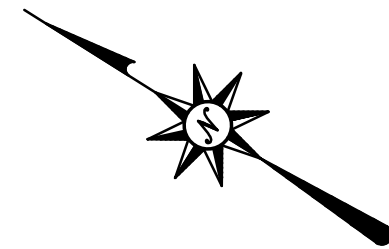
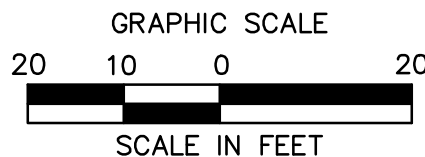
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5. HIGH DENSITY POLYETHYLENE (HDPE) STORM SEWER 12" OR GREATER IN DIAMETER SHALL BE HI-Q SURE-LOK 10.8 PIPE AS MANUFACTURED BY HANCOR INC. OR APPROVED EQUAL. HDPE PIPE SHALL HAVE SMOOTH INTERIOR AND CORRUGATED EXTERIOR SURFACES. JOINTS SHALL BE SURE-LOK GASKET JOINTS. JOINTS SHALL BE SURE-LOK GASKET JOINTS. JOINTS SHALL MEET THE REQUIREMENTS OF AASHTO M294. THE BELL SHALL BE AN INTEGRAL PART OF THE PIPE AND PROVIDE A MINIMUM PULL-APART STRENGTH OF 400 POUNDS. THE JOINT SHALL BE WATER TIGHT ACCORDING TO THE REQUIREMENTS OF ASTM D3212. IF APPROVED BY THE ENGINEER AND OWNER'S CONSTRUCTION MANAGER PRIOR TO ORDERING, AN ALTERNATIVE HDPE PIPE MAY BE USED.

6. HIGH DENSITY POLYETHYLENE (HDPE) STORM SEWER LESS THAN 12" IN DIAMETER SHALL BE HI-Q PIPE AS MANUFACTURED BY HANCOR INC. OR APPROVED EQUAL. HDPE PIPE SHALL HAVE SMOOTH INTERIOR AND CORRUGATED EXTERIOR AND SHALL MEET THE REQUIREMENTS OF AASHTO M294. JOINTS SHALL BE SURE-LOK GASKET JOINTS. JOINTS SHALL MEET THE REQUIREMENTS OF AASHTO M294. COVERING AT LEAST 2 FULL CORRUGATIONS ON EACH END OF THE PIPE. SILT-TIGHT (GASKET) CONNECTIONS SHALL INCORPORATE A CLOSED SYNTHETIC EXPANDED RUBBER GASKET, MEETING THE REQUIREMENTS OF AASHTO D1056 GRADE 2A2. GASKETS SHALL BE SURE-LOK GASKET JOINTS. JOINTS SHALL MEET THE REQUIREMENTS OF AASHTO D1056 GRADE 2A2. GASKETS SHALL MEET THE REQUIREMENTS OF AASHTO D1056 GRADE 2A2. IF APPROVED BY THE ENGINEER AND OWNER'S CONSTRUCTION MANAGER PRIOR TO ORDERING, AN ALTERNATIVE HDPE PIPE MAY BE USED.

6. HIGH DENSITY POLYETHYLENE (HDPE) STORM SEWER LESS THAN 12" IN DIAMETER SHALL BE HI-Q PIPE AS MANUFACTURED BY HANOR INC. OR APPROVED EQUIVALENT. HDPE PIPE SHALL HAVE SMOOTH INTERIOR AND CORRUGATED EXTERIOR AND SHALL MEET THE REQUIREMENTS OF AASHTO 252. TYPE S. PIPE SECTIONS SHALL BE JOINED WITH COUPLING BANDS OR EXTERNAL SNAP COUPLERS COVERING AT LEAST 2 FULL CORRUGATIONS ON EACH END OF THE PIPE. FLIGHT-TIGHT (GASKET) CONNECTIONS SHALL INCORPORATE THE REQUIREMENTS OF AASHTO 252. TYPE S. PIPE. GASKETS SHALL BE INSTALLED ON THE CONNECTION BY THE PIPE MANUFACTURER. ALTERNATIVE HDPE PIPE MAY BE USED IF APPROVED BY THE ENGINEER AND OWNER'S CONSTRUCTION MANAGER PRIOR TO ORDERING.



BIL
Companies
ARCHITECTURE
ENGINEERING
ENVIRONMENTAL
LAND SURVEYING

STORRS CENTER - PHASE 1C
STORRS ROAD (ROUTE 195)
STORRS-MANSFIELD, CONNECTICUT

PROGRESS PRINT
 NOT FOR CONSTRUCTION

REVISIONS	
No.	Date Desc.

Designed J.J.U.
 Drawn N.G.Y.
 Checked
 Approved
 Scale 1"=20'
 Project No. 03C667A0
 Date 03/15/2013
 CAD File: GD03C667A001

Title

GRADING AND
DRAINAGE PLAN

Sheet No.

GD-1